

1 to 5 compounds of the formula (IV)

1 to 5 compounds of the formula (VI)

1 to 5 compounds of the formula (VII).

- 5 Particular preference is given to liquid-crystal mixtures of the invention which comprise 3 to 25 components, including

1 to 12 compounds of the formula (I)

2 to 12 compounds of the formula (II)

1 to 5 compounds of the formula (III)

- 10 1 to 5 compounds of the formula (IV)

1 to 5 compounds of the formula (VI).

Particular preference is given to liquid-crystal mixtures of the invention which comprise 3 to 25 components, including

- 15 1 to 12 compounds of the formula (I)

2 to 12 compounds of the formula (II)

1 to 5 compounds of the formula (III)

1 to 5 compounds of the formula (IV)

1 to 5 compounds of the formula (VI)

- 20 1 to 5 compounds of the formula (XII).

Particular preference is given to liquid-crystal mixtures of the invention which comprise 3 to 25 components, including

1 to 12 compounds of the formula (I)

- 25 2 to 12 compounds of the formula (II)

1 to 5 compounds of the formula (IV).

Particular preference is given to liquid-crystal mixtures of the invention which comprise 3 to 25 components, including

- 30 1 to 12 compounds of the formula (I)

2 to 12 compounds of the formula (II)

1 to 5 compounds of the formula (IV)

1 to 5 compounds of the formula (VI).

- 35 Particular preference is given to liquid-crystal mixtures of the invention which comprise 3 to 25 components, including

1 to 12 compounds of the formula (I)

2 to 12 compounds of the formula (II)

1 to 5 compounds of the formula (IV)

1 to 5 compounds of the formula (VII),

5 which comprise 3 to 23 components, including

2 to 10 compounds of the formula (II)

1 to 3 compounds of the formula (III).

10 Very particular preference is furthermore given to liquid-crystal mixtures of the invention which comprise 3 to 23 components, including

1 to 8 compounds of the formula (I)

2 to 10 compounds of the formula (II), in which, in at least one compound, a -CH₂-group is replaced by -OC(=O)-

15 1 to 3 compounds of the formula (III),

According to one embodiment of the invention, very particular preference is furthermore given to mixtures of the invention which comprise 3 to 30 components, including

20 4 to 8 compounds of the formula (I)

1 to 10 compounds of the formula (II)


1 to 4 compounds of the formula (VI)

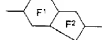
1 to 4 compounds of the formula (X)



1 to 4 compounds of the formula (XI).

In a particular embodiment of this very particularly preferred mixture, the mixture comprises at least one compound of the formula (Ia), at least one compound of the formula (Ib), at least 3 compounds of the formula (II) and at least one compound of each of the formulae (VI), (X) and (XI).

In a most preferred embodiment, said at least one compound of the formula (Ia) and at least one compound of the formula (Ib) include at least one compound of the formula (Ialh) and at least one compound of the formula (Ialv) and at least one compound of the formula (Ibla), where in (II)

35  is pyrimidine-2,5-diyl, in (VI), Z^1 and Z^2 are each F, in (X),





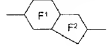

 in benzothiazole-2,6-diyl, and in (XI),  is thiazole-2,5-diyl.




According to one embodiment of the invention, very particular preference is furthermore given to mixtures of the invention which comprise 3 to 30 components, including

- 5 4 to 8 compounds of the formula (I)
 1 to 10 compounds of the formula (II)
 1 to 4 compounds of the formula (IV)
 1 to 4 compounds of the formula (VI)
 1 to 4 compounds of the formula (X)
 10 1 to 4 compounds of the formula (XI).

- In a special embodiment of this very particularly preferred mixture, the mixture comprises at least one compound of the formula (Ia), at least one compound of the formula (Ib), at least three compounds of the formula (II)
 15 and at least one compound of each of the formulae (IV), (VI), (X) and (XI).

- In a most preferred embodiment, said at least one compound of the formula (Ia) and one compound of the formula (Ib) include at least 1 compound of the formula (Iah) and at least 1 compound of the formula (Ialv) and, if
 20 desired, at least one compound of the formula (Iain) and at least 1 compound of the formula (Ibla), where, in (II),  is pyrimidine-2,5-diyl, in (IV),  is pyrimidine-2,5-diyl, pyridine-2,5-diyl or 2-fluoropyridine-3,6-diyl, in (VI), Z^1 and Z^2 are each F, in (X),  is benzothiazole-2,6-diyl, and, in (XI),  is thiazole-
 25 2,5-diyl.

In a particular embodiment of the very particularly preferred liquid-crystal mixture, in

- 30 (II)  is pyrimidine-2,5-diyl,
 Z^1, Z^2 are both H or both F,
 R^{10} is a straight-chain or branched alkyl or alkyloxy radical having 6 to 14 carbon atoms, where one or two $-CH_2$ -groups may be replaced by $-O-$ and/or $-C(=O)-$,